Ontario

Ministry of
Northern Development
and Mines

Mines and
Minerals
Division

ONTARIO GEOLOGICAL SURVEY

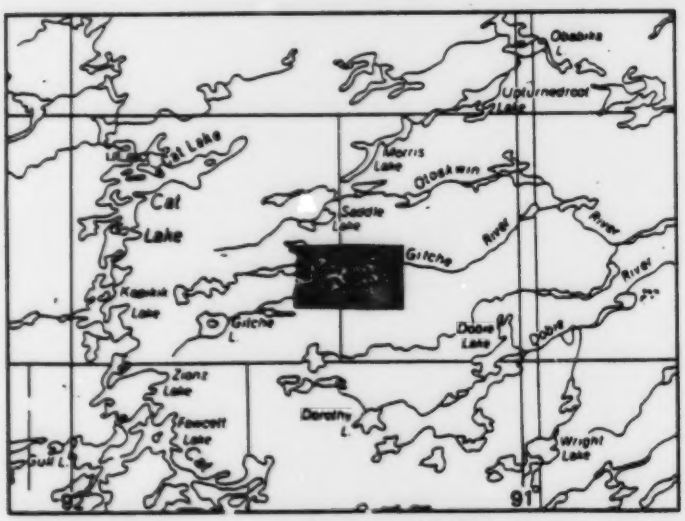
GEOLOGICAL DATA INVENTORY FOLIO

365

McVICAR LAKE AREA

DISTRICT OF KENORA
(PATRICIA PORTION)

Compiled by the Staff of
the Resident Geologist's Office
Sioux Lookout



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

89-03498/ 52 O/11 SW

Mining Map Number G 2121

Original Compilation by: Catharine J. Proctor & Martin T. Roy.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Ministry of Northern Development and Mines does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey

1988: McVicar Lake Area, District of Kenora, Patricia Portion; Ontario Geological Survey, Geological Data Inventory Folio 365, compiled by the staff of the Resident Geologist's Office in Sioux Lookout. Accompanied by 5 maps.

This project is part of the Canada-Ontario Mineral Development Agreement (COMDA), which is a subsidiary agreement to the Economic & Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

Date	Page(s) Revised	Revised by

Date	Page(s) Revised	Revised by

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Exploration Data Map 1

ABBREVIATIONS LIST

A.F.R.O.	Assessment Files Research Office (Toronto)
Ann. Rept.. (A.R.)	Annual Report
A.R.I.P.	Aggregate Resources Inventory Paper
Bull.	Bulletin
C.I.M.M.	Canadian Institute of Mining and Metallurgy
C.J.E.S.	Canadian Journal of Earth Sciences
C.M.J.	Canadian Mining Journal
Econ. Geol.	Economic Geology
E.M.R.	Department of Energy, Mines and Resources
E.P.B.	Earth Physics Branch
G.A.C.	Geological Association of Canada
GC	Geological Circular
GDIF	Geological Data Inventory Folio
Geol.	Geology
Geol. Soc. Amer. Bull	Geological Society of America Bulletin
GR	Geoscience (Geological) Report
GSC	Geological Survey of Canada
I.L.S.G.	Institute on Lake Superior Geology
IMR	Industrial Mineral Report
I.O.C.	Report of the Iron Ore Committee (1923)
Jour. (or J)	Journal
MDC	Mineral Deposit Circular
M.D.I. (R)	Mineral Deposit Inventory (Record)
Mem	Memoir
MNDM	Ministry of Northern Development and Mines
MNR	Ministry of Natural Resources
M.P.	Miscellaneous Paper
MRC	Mineral Resources Circular
N.M.I.	National Mineral Inventory
NOEGTS	Northern Ontario Engineering Geology Terrain Study
NTS	National Topographic System
O.B.M.	Ontario Bureau of Mines
O.D.L.F.	Ontario Department of Lands and Forests
ODM	Ontario Department of Mines
ODMNA	Ontario Department of Mines and Northern Affairs
OFR	Open File Report
O.G.S.	Ontario Geological Survey
P.R.	Preliminary Report
Prelim. (or P)	Preliminary
R.C.	Royal Commission on Mineral Resources of Ontario (1890)
S.M.D.R.	Source Mineral Deposit Record
Sum. Rept.	Summary Report

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm²	0.155 0	square inches	1 square inch	**6.451 6**	cm²
1 m²	10.763 9	square feet	1 square foot	**0.092 903 04**	m²
1 km²	0.386 10	square miles	1 square mile	2.589 988	km²
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm³	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm³
1 m³	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m³
1 m³	1.308 0	cubic yards	1 cubic yard	0.764 555	m³
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy) ton (short)	1 ounce (troy) ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights ton (short)	1 pennyweight ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy) ton (short)	20.0	pennyweights ton (short)
1 pennyweight ton (short)	0.05	ounce (troy) ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

For further information please contact:

RESIDENT GEOLOGISTS OFFICE
MINISTRY OF NORTHERN DEVELOPMENT AND MINES
P.O. BOX 3000
SIOUX LOOKOUT, ONTARIO
P0V 2T0

(807) 737-2037

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist s Office Files	YES	CJP
2	Assessment Files Research Office, Toronto	YES	AFRO
3	ODM General Index, 9 Volumes	YES	CJP
4	Catalogue of Airborne Geophysical Surveys (ODM)	YES	CJP
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	CJP
6	ODM Industrial Mineral Reports	NO	CJP
7	Bibliography of Post Precambrian Thesis - Karrow (ODM MP 1)	NO	CJP
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	CJP
9	Newspaper Clippings File	YES	CJP
10	GSC Index to Publications	YES	CJP
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	CJP
12	OGS Index Maps	YES	CJP
13	Source Mineral Deposit Records (O G S)	YES	CJP
14	Author - Subject Articles File	NO	CJP
15	Miscellaneous Papers ODM & OGS	YES	CJP
16	ODM Geological Circulars OGS Study Series	NO	CJP
17	ODM Preliminary Reports ODM Bulletins	NO	CJP
18	ODM - OGS Open File Reports	YES	CJP
19	OGS Northern Ontario Engineering Geology Terrain Studies	NO	CJP
20	OGS Aggregate Resources Inventory Papers	NO	CJP
21	OGS Mineral Potential Maps	YES	CJP
22	Drill Core Library Catalogue	NO	CJP
23	AERIAL PHOTOGRAPHS	NO	CJP
24	UNPUBLISHED THESES	NO	CJP

MC VICAR LAKE

METALS AND MINERALS REFERENCES LIST

△ anh	Anhydrite	△ fu	Fuchsite	▲ Ni	Nickel	△ st	Stone
△ ank	Ankerite	△ gn	Galena	△ Nb	Niobium	△ s	Sulphides
△ anna	Annabergite	△ gt	Garnet	▲ Pd	Palladium	△ talc	Talc
△ ap	Apatite	△ goe	Goethite	△ peat	Peat	△ Te	Tellurium
△ arg	Argentite	▲ Au	Gold	△ pent	Pentlandite	△ td	Tetrahedrite
△ As	Arsenic	△ gf	Graphite	Pt	Platinum	△ th	Thorite
△ asp	Arsenopyrite	△ gl	Gravel	△ py	Pyrite	△ Th	Thorium
△ asb	Asbestos	△ gyp	Gypsum	△ pyl	Pyrochlore	△ thuc	Thucholite
△ ba	Barite	△ hem	Hematite	△ pyrl	Pyrolusite	△ ti	Titanite
△ be	Beryl	△ il	Ilmenite	△ po	Pyrrhotite	△ Ti	Titanium
△ Bi	Bismuth	▲ Fe	Iron	△ q	Quartz	△ tour	Tourmaline
△ bn	Bornite	△ IF	Iron Formation	△ qcv	Quartz carbonate vein	△ trap	Trap rock
△ bran	Brannerite	△ jas	Jasper	△ ra	Radioactive minerals	△ W	Tungsten
△ bruc	Brucite	△ kaol	Kaolinite (kaolin)	△ RE	Rare Earths	△ uran	Uraninite
△ Cd	Cadmium	△ ky	Kyanite	△ sd	Sand	△ U	Uranium
△ calc	Calcite	Pb	Lead	△ sgl	Sand and gravel	△ verm	Vermiculite
△ carb	Carbonate	△ lim	Limonite	△ ss	Sandstone	△ Y	Yttrium
△ cel	Celestite	△ Li	Lithium	△ scap	Scapolite	▲ Zn	Zinc
△ cc	Chalcocite	△ mgst	Magnesite	△ shee	Scheelite	△ zr	Zircon
△ cp	Chalcopyrite	△ mag	Magnetite	△ serp	Serpentine		
△ ch	Chert	△ mc	Malachite	△ sh	Shale		
△ clay	Clay	△ Mn	Manganese	△ sid	Siderite		
▲ Co	Cobalt	△ mb	Marble	△ si	Silica		
△ cob	Cobaltite	△ mar	Marcasite	▲ Ag	Silver		
△ cb	Columbite	△ ma	Marl	△ sl	Slate		
▲ Cu	Copper	△ mi	Mica	△ sm	Smaltite		
△ cor	Corundum	△ ml	Millerite	△ sod	Sodalite		
△ dol	Dolomite	△ mo	Molybdenite	△ spec	Specularite		
△ ep	Epidote	△ Mo	Molybdenum	△ sp	Sphalerite		
△ ery	Erythrite	△ mon	Monazite	△ spd	Spodumene		
△ fel	Feldspar	△ ne	Nephelite (nepheline)	△ staur	Staurolite		
△ fl	Fluorite (flurospar)	△ nc	Niccolite	△ stib	Stibnite		

▲ Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MCVICAR LAKE

MINERAL OCCURRENCES

Map Ref Letter	(see Exploration Data Map) Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	BOYES LAKE	Fe	KP0202		NMI FILE, 52O/11Cu1 AFRO 1970, #63.2822
B	CARD LAKE (Boyes Lake)	Cu	KP0262		NMI FILE, 52O/11Cu1 SMDR FILE, #00599 AFRO 1970, #63.2822
C	LANG LAKE (Belore)	Cu Zn Ag	KP0335		Zn,Ag-MINOR OCCURENCES NMI FILE, 52O/11Cu3 OGS 1972, MP 50, p.87 OGS 1971, MP 46, p.78
D	MCVICAR LAKE	Cu Ni Co Pd Au Ag	KP0258	MRC 12 p.178	Co, Pd, Au,Ag-MINOR OCCURENCES NMI FILE, 52O/11Cu4 SMDR FILE, #00503 OGS 1982, Report 207, p.56-59 MAP 2218
E*	MCVICAR LAKE SOUTH (McVicar Lake (South Central Bay) *incl. E_1 to E_6	Cu Au	KP0204		NMI FILE, 52O/11Cu6 File (52O/11SW-0038-C1)- this map shows 5 other occurences not marked on the SMDR
F	SEMIA LAKE	Cu	KP0259		NMI FILE, 52O/11Cu5
G	SEMIA LAKE-KENLEW	Au	01666		AFRO 1962, MCVICAR LAKE AREA, DHR1, DHR13 NMI FILE, 52O/11Cu5 AFRO 1979, #2.3173 AFRO 1978, #2.713, 2.2712 AFRO 1954, MCVICAR LAKE AREA DHR1

MINERAL OCCURRENCES

Map Ref Letter	(see Exploration Data Map) Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
H	SHONIA LAKE (Smith-Watson)	Au	01665	MRC 13 p.246	OGS 1930, AR VOL 39, pt 3, p. 18-19 OGS 1971, Map P.665, Marginal notes NMI FILE, 52O/11Au1 AFRO 1970, #2.267 AFRO 1971, #2.296 AFRO 1972, #2.813 AFRO 1978, #2.713

MCVICAR LAKE

TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
1	COMINCO LTD (52O/07SW-0014)								77											
2	BELORE MINES L. (52O/11SW-0010-A1)				70															
3	BELORE MINES L. (52O/11SW-0010-B1)				70 69															
4	BELORE MINES L. (52O/11SW-0010-C1)				70															
5	CARD LAKE COPPER MINES (52O/11SW-0010-D1)				70															
6	HANNA MINING C. (52O/11SW-0011-A1)				71															
7	HANNA MINING C. (52O/11SW-0011-C1)				71	71														
8	HANNA MINING C. (52O/11SW-0012-A1)				71	71														
9	KENLEW MINES L. (52O/11SW-0012-C1)				62	62														

MCVICAR LAKE

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
(see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING. STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS. NOTES. CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
Ref. No. on Map	COMPANY/AUTHOR (file number)																			
10	KENLEW MINES L. (52O/11SW-0012-D1)			59	59															
11	KENLEW MINES L. (52O/11SW-0013-A1)				59															
12	MORRISON, W F (52O/11SW-0013-B1)				54															
13	UMEX CORP. L. (52O/11SW-0013-C1)				73															
14	PICKLE-PATRICIA EXPLORERS (52O/11SW-0014-A1)				62	62														
15	PICKLE-PATRICIA (52O/11SW-0014-B1)				62															
16	NEW JERSEY ZINC EXPL. (52O/11SW-0015)				71	71														
17	COMINCO L. (52O/11SW-0016)				81	81														
18	COMINCO L. (52O/11SW-0017-A1)				81															

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
(see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	GRAVITY		
Ref. No. on Map	COMPANY/AUTHOR (file number)																			
19	UMEX CORP. L. (52O/11SW-0017-C1)				75															
20	HOEY, F HOEY SYNDICATE (52O/11SW-0018)	71				71						71	71							
21	DRESDEN MINES L. (52O/11SW-0019)											72	72							
22	COMINCO L. (52O/11SW-0020)								77											
23	COMINCO L. (52O/11SW-0021)											79	79					79		
24	KERR ADDISON MINES L. (52O/11SW-0022)	84	84																	
25	HANNA MINING C. (52O/11SW-0023)											70								
26	AMAX EXPLORATION INC. (52O/11SW-0024)											70	70							
27	DURATION MINES L. WILSHIRE RESOURCES L. (52O/11SW-0025)	84										84	84							

TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
28	KERR ADDISON MINES L. (52O/11SW-0026)		84																	
29	NORANDA EXPL. C. L. (52O/11SW-0027)	84											84							
30	UTAH MINES (52O/11SW-0028)								85	85										
31	HANNA MINING C. (52O/11SW-0029)	70										70	70							
32	HANNA MINING C. (52O/11SW-0030-A1)					71														
33	DRESDEN MINES L. (52O/11SW-0030-C1)							72												
34	CARD LAKE COPPER MINES (52O/11SW-0031)											70	70							
35	BELORE MINES L. (52O/11SW-0038-A1)											69	69							
36	CARD LAKE COPPER MINES (52O/11SW-0032)											69	69							

TYPE OF WORK (see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
37	KERR ADDISON GOLD M. L. KENLEW MINES L. (52O/11SW-0033)							62				62	62							
38	NEW JERSEY ZINC EXPL. (52O/11SW-0034)	69	69									69	69							
39	HANNA MINING C. (52O/11SW-0035)												70							
40	HANNA MINING C. (52O/11SW-0036)	71										71	71							
41	CARD LAKE COPPER MINES (52O/11SW-0037)							73												
42	CHELLOW GOLD MINES L. (52O/11SW-0038-C1)	50																		
43	CHELLOW GOLD MINES L. (52O/11SW-0039-A1)				50															
44	DURATION MINES L. (52O/11SW-0039-C1)				86															
45	BELORE MINES L. (52O/11SW-0040)							71												

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
(see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
Ref. No. on Map	COMPANY/AUTHOR (file number)																			
46	DURATION MINES L. (52O/11SW-0041)	86				86						86	86							
47	KERR ADDISON MINES L. (52O/11SE-0014)	84																		
48	KERR ADDISON MINES L. (52O/11SE-0012)	85	85																	
49	UTAH MINES L. (52O/11SW-0042)				86															
50	COMINCO L. (52O/11NW-0010)								87	87										
51	ST JOE CANADA INC. LOCATOR EXPLORATIONS L. (52O/06 SE-0042)								86	86										
52	LOCATOR EXPLORATIONS L. DURATION MINES L. (52O/11SW-0043)								86	86										
53	DURATION MINES L. (52O/11SW-0044)				86 87															
54	LOCATOR EXPLORATIONS L. (52O/11SW-0045)				87															

MCVICAR LAKE

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968																		
(see files Index Map) EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
Ref. No. on Map	COMPANY/AUTHOR (file number)																			
55	DURATION MINES L. (52O/11SW-0048)				86															
56	UTAH MINES L. (52O/11SW-0046)				87															
57	UTAH MINES L. (52O/11SW-0047)				87															

MCVICAR LAKE

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	BELORE MINES L.	5	1970	345	-50	59.0	263.0	py	
2		1	1969	360	-55	10.0	398.0	py	
2		2	1970	180	-55	9.0	754.0	py,po,cp	
3		3	1970	190	-50	5.0	276.0	py,po,cp	
4	CARD LAKE COPPER MINES	BL-1	1970	360	-45	58.0	712.0	mag,po,py,cp	
5		BL-2	1970	360	-60	60.0	712.0	mag,po,py,cp	
6		BL-3	1970	360	-45	70.0	675.0	mag,po,py,cp	
7	HANNA MINING C.	M-1	1971	149	-50	132.0	594.0	gf,po,py,cp	Au Cu
8		71-1	1971	180	-50	6.0	357.0	po,py,cp	Au Cu Zn
9		71-6	1971	360	-51.5	30.0	395.0	po,py	Au Zn
10	KENLEW MINES L.	1	1962	180	-45	15.0	231.5	po,cp	Cu Ni Au Ag
11		2	1962	15	-45	2.4	204.0	po,cp,py	
12		7	1959	7	-45	3.3	300.0	py	
13		10	1959	195	-45	14.0	172.0	py	
14		8	1959	280	-45	8.0	129.0	py	
15		9	1959	252	-45	8.0	125.0	py	
16		1	1959	347	-45	6.0	300.0	cp,py	

● —— indicates core stored at Drill Core Library

MCVICAR LAKE

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
17	KENLEW MINES L.	2	1959	205	-45	6.0	150.0	py	
18		3	1959	205	-45	1.0	175.0	py,Au	
19		5	1959	225	-45	70.0	325.0	py,mag,cp	
20		6	1959	4	-45	9.5	225.0	py,cp	
21	W.F. MORRISON	1	1954	131	-48	92.0	391.0	po,py,cp	
21		2	1954	150	-50	86.0	374.0	py,po	
21		3	1954	131	-50	44.0	361.0	py,po	
22	UMEX COPR. L.	G10	1973	180	-45	30.0	200.0	py,gf	
23		G11	1973	180	-45	16.0	503.0	py,po	
24	PICKLE-PATRICIA EXPL.	KL-4	1962	205	-45	54.0	300.0	gf,py,mag,asp, sp,po	Au
25		KL-1	1962	195	-47.5	13.0	608.0	po,py,cp,mag, Au	Au
26		KL-3	1962	203	-49	126.0	731.0	py,po,mag	Au
27		KL-2	1962	29	-50.5	49.0	605.0	py,po,mag	Au
28	NEW JERSEY ZINC EXPL.	1-LL-71	1971	360	-60	3.5	152.0	py,po,cp	Cu,Ni,Au, Ag,Zn,Pb
28		2-LL-71	1971	360	-60	5.5	150.0	py,po,cp	Cu Ni Ag Au

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
28	NEW JERSEY ZINC EXPL.	3-LL-71	1971	360	-60	10.0	134.0	py	
29		4-LL-71	1971	45	-60	4.0	156.0	py,po,cp	Cu Ni Au Ag
30		5-LL-71	1971	360	-60	2.0	107.0	py,po	Cu Ni Ag Au
31	COMINCO L.	ML-81-1	1981	205	-50	26.5m	114.6m	py,po,gf	Cu Pb Zn Fe
32		ML-81-2	1981	205	-45	23.8m	104.2m	py,mag,po	Cu Pb Zn Fe
33		ML-81-3	1981	180	-45	3.1m	103.6m	py,po,mag	Cu Pb Zn Fe
34		ML-81-4	1981	0	-45	10.9m	110.5m	py,po,mag	Cu Pb Zn Fe
35		ML-81-5	1981	180	-45	1.0m	111.6m	py,po,mag	Cu Pb Zn Fe
36		ML-81-6	1981	180	-45	21.3m	135.9m	mag,po	
37	UMEX COPORATION L.	Gi-22	1975	25	-45	18.0	563,0	po,cp	
38		Gi-23	1975	25	-45	10.0	498.0	po,py	
39	CHELLOW GOLD MINES L.	1	1950	197	-35	20.0	157.7		
39		1a	1950	197	-50	55.0	110.3		
40		2	1950	192	-40	3.6	120.3	py	

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MCVICAR LAKE

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
40	CHELLOW GOLD MINES L.	3	1950	15	-30	30.0	152.3		
41		4	1950	10	-40	3.0	25.0		
41		5	1950	327	-40	8.0	96.0		
41		6	1950	200	-40	3.8	125.5	py	
42	DURATION MINES LTD.	DL-86-05	1986	220	-45	17.7m	185.1m	py,po,mag	
43	UTAH MINES LTD.	ML-10	1986	180	-76	50.0	249.0	py,asp	
43		ML-11	1986	180	-75	61.0	249.0	py	
43		ML-12	1986	180	-75	41.0	268.0	py,po	
43		ML-13	1986	180	-75	50.0	298.0	py,asp,mo	
43		ML-14	1986	180	-75	55.0	326.0	Cu,py,po	
43		ML-15	1986	180	-75.5	38.0	269.0	py,po,Cu	
43		ML-16	1986	180	-75.5	40.0	349.0	po,py,cp	
43		ML-17	1986	180	-75	65.0	319.0	py	
43		ML-18	1986	180	-75.5	7.0	199.0	po,py,asp	
44	DURATION MINES LTD.	DR-86-01	1986	165	-45	4.9m	72.2m	py	
45		DR-86-1a	1986	170	-45	4.3m	124.0m	py	
46		DR-86-02	1986	205	-50	12.5m	236.1m	py,po,cp,mag	

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
47	DURATION MINES LTD.	DR-86-03	1986	205	-45	8.5m	105.8m	py	
48		DR-86-06	1986	25	-45	6.1m	227.7m	po,py	
49		DR-86-07	1986	205	-45	6.7m	186.6m	mag,py	
50		DR-87-15	1987	205	-45	5.6m	108.8m	py	
51		DR-87-16	1987	205	-50	6.1m	121.0m	po,py	
52	LOCATOR EXPLORATIONS L.	SL-87-01	1987	205	-45	3.6m	148.4m	py	
53		SL-87-02	1987	25	-45	9.1m	136.2m	py,cp,po	
54		SL-87-04	1987	220	-49	24.4m	258.2m	py,po	
55	DURATION MINES L.	DL-86-8	1986	205	-45	3.0m	124.1m	py,po	
56	UTAH MINES	ML19	1987	240	-45	7.0	329.0	py,po	
57		ML20	1987	240	-45	4.3	209.0	mag	
58		ML21	1987	240	-60	10.0	279.0		
59		ML22	1987	240	-60	30.0	231.5		
60		ML23	1987	240	-43	12.0	369.0	mag,py	
61		ML24	1987	240	-45	7.5	174.0	mag	
62		ML25	1987	240	-45	11.0	199.0	py	
62		ML26	1987	240	-70	5.0	172.0	py	

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MCVICAR LAKE

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
63	UTAH MINES	ML27	1987	240	-45	6.0	219.0	py,mag	
63		ML28	1987	200	-45	5.0	279.0	po,py,cp	
64		ML29	1987	240	-45	15.0	169.0	py	
65		ML30	1987	240	-45	10.0	169.0	py,po	
66		ML4X	1987	225	-45	298.0	618.0	py (extended ML4)	hole from

● —— indicates core stored at Drill Core Library

AIRBORNE GEOPHYSICAL SURVEY DATA

Number on File Index Map	– by – for – year	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
1	BY: QUESTOR SURVEYS LTD FOR: COMINCO L. YEAR: 1977	MAGNETOMETER	400'	S pattern	660'
22	BY: QUESTOR SURVEYS LTD FOR: COMINCO L. YEAR: 1977	MAGNETOMETER	400'	E/W	660'
30	BY: DIGHEM SURVEYS & PROCNG FOR: UTAH MINES YEAR: 1985	MAGNETOMETER AND ELECTROMAGNETIC	65m	N/S	100m
50	BY: AERODAT LIMITED FOR: COMINCO L. YEAR: 1987	MAGNETOMETER AND ELECTROMAGNETIC	60m	N/S	200m
51	BY: QUESTOR SURVEYS LTD FOR: ST JOE CANADA YEAR: 1986	MAGNETOMETER AND ELECTROMAGNETIC	90m	NE/SW	100m
52	BY: AERODAT LIMITED FOR: LOCATOR EXPL. L. DURATION MINES L. YEAR: 1986	MAGNETOMETER AND ELECTROMAGNETIC	60m	NE/SW	50m

GEOCHEMICAL SURVEY DATA

(see Exploration Data Map)

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
24	ROCK	Au	KERR ADDISON MINES L.	RESIDENT GEOLOGISTS OFFICE FILES (52O/11SW-0022)
28	ROCK	MULTI SPECTRAL	KERR ADDISON MINES L.	(52O/11SW-0026)
38	SOIL	Cu Ni Zn Hg	NEW JERSEY ZINC EXPL.	(52O/11SW-0034)
48	ROCK	MULTI SPECTRAL	KERR ADDISON MINES L.	(52O/11SE-0012)

GEOCHRONOLOGY DATA - AGE DATING

Site	Method	Material	Reference	Result
	NO DATA AS OF FEBRUARY 1988			

AERIAL PHOTOS; MOSAICS; IMAGERY

The following items are available for inspection at the Resident Geologist's office:

(a) Aerial Photographs:

(b) Photomosaics:

(c) Satellite Imagery:

TOPOGRAPHIC MAPS (selected)

scale	year	name and/or number	by
1:50,000	1976	MCVICAR LAKE 520/11	SURVEYS AND MAPPING BRANCH, DEPT. OF MINES AND RESOURCES
1:250,000	1976	LAKE ST JOSEPH 520	SURVEYS AND MAPPING BRANCH, DEPT. OF MINES AND RESOURCES

MCVICAR LAKE

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

COMPANY	NEWSPAPER	DATE	PAGE
SMITH PROPERTY (N.A.M.E.)	NORTHERN MINER	FEB,14 1929	p.3
	NORTHERN MINER	JAN 17, 1929	p.10
	NORTHERN MINER	FEB 21, 1929	p.3
	NORTHERN MINER	FEB 28, 1929	p.17
	NORTHERN MINER	MAR 21, 1929	p.24

ODM GENERAL INDEX SEARCH

Words searched: BOYES LAKE, MCVICAR LAKE, GITCHE RIVER, ANDY LAKE, LANG LAKE, SHONIA LAKE, BELORE, SEMIA LAKE, KENLEW, SMITH-WATSON, CARD LAKE

Index Volume	Listing:	Report Volume	Part	Page
III	PICKLE LAKE-CROW RIVER AREA, DISTRICT OF KENORA, PATRICIA PORTION	XXXIX	III	1-21
8	MP 23			6,49
8	MP 32			7,9
8	MP 33			26
8	MP 43			18-21
8	MP 47			33,35
8	MP 49			22-24
8	MP 53			34
8	MRC 12			178-179
8	MRC 13			246

MCVICAR LAKE

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and or Report Pages
ODM	1930	SHONIA LAKE AREA, DISTRICT OF KENORA, (PATRICIA PORTION), ONTARIO	MAP 39d	1"=1 mile 1:63,360
ODM	1970	ONTARIO GEOLOGICAL MAP, WEST CENTRAL SHEET	MAP 2199	1"=16 miles 1:1,013,760
ODM	1974	CAT LAKE-PICKLE LAKE, GEOLOGICAL COMPILATION SERIES, KENORA AND THUNDER BAY DISTRICTS	MAP 2218	1"=4 miles 1:253,440
SADO, E.V. CARSWELL, B.F.	1987	SURFICIAL GEOLOGY OF NORTHERN ONTARIO, ONTARIO GEOLOGICAL SURVEY MAP 2518	MAP 2518	1:200,000
ODM	1970	LANG-CANNON LAKE AREA (WEST HALF), DISTRICT OF KENORA (PATRICIA PORTION) GEOLOGICAL SERIES PRELIMINARY MAP P.581	P.581	1"=1/2 mile
ODM	1970	LANG-CANNON LAKES AREA (CENTRAL PART) DISTRICT OF KENORA, (PATRICIA PORTION) GEOLOGICAL SERIES PRELIMINARY MAP P.665	P.665	1"=1/2 mile
SAGE, R.P. BREAKS, F.W. TROUP, W.R.	1973	OPERATION PICKLE LAKE, BAMAJI LAKE- LAKE ST JOSEPH SHEET, DISTRICT OF KENORA (PATRICIA PORTION), ODM PRELIMINARY MAP P.808, GEOLOGICAL SERIES	P.808	1"=2 miles
MEYN, H.D. ROBERTSON, JAMES A	1975	IRON DEPOSITS OF ONTARIO, WEST CENTRAL SHEET, DISTRICTS OF KENORA, THUNDER BAY, ALGOMA AND COCHRANE, ODM PRELIMINARY MAP P.1041, MINERAL DEPOSITS SERIES	P.1041	1"=16 miles 1:1,013,760
JOST, M	1975	NICKEL DEPOSITS OF ONTARIO, WEST CENTRAL SHEET, DISTRICT OF KENORA, THUNDER BAY, ALGOMA AND COCHRANE, ODM PRELIMINARY MAP P.1061, MINERAL DEPOSITS SERIES	P.1061	1"=16 miles 1:1,013,760

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
ROBERTSON, JAMES A VOS, M.A. SPRINGER, JANET S	1976	MINERAL POTENTIAL MAP OF ONTARIO 1976, WEST CENTRAL SHEET, ODM PRELIMINARY MAP P.1098, MINERAL DEPOSITS SERIES	P.1098	1"=16 miles 1:1,013,760
GORDON, J.B.	1977	GOLD DEPOSITS OF ONTARIO, WEST CENTRAL SHEET DISTRICTS OF KENORA, THUNDER BAY, ALGOMA AND COCHRANE, OGS PRELIMINARY MAP P.1227, MINERAL DEPOSITS SERIES	P.1227	1"=16 miles 1:1,013,760
MEYN, H.D. HOWARTH, J.R.	1977	MOLYBDENUM DEPOSITS OF ONTARIO, WEST CENTRAL SHEET, DISTRICTS OF KENORA, THUNDER BAY, ALGOMA AND COCHRANE, OGS PRELIMINARY MAP P. 1245, MINERAL DEPOSITS SERIES	P. 1245	1"=16 miles 1:1,013,760
SPRINGER, JANET	1978	ONTARIO MINERAL POTENTIAL, LAKE ST JOSEPH SHEET, DISTRICT OF THUNDER BAY AND KENORA (PATRICIA PORTION), OGS PRELIMINARY MAP P.1542, MINERAL DEPOSITS SERIES	P.1542	1:250,000
PANAGAPKO, D.A. GIBSON, J.C.	1980	MCVICAR LAKE AREA, DISTRICT OF KENORA (PATRICIA PORTION), OGS PRELIMINARY MAP P. 2026, RED LAKE DATA SERIES	P. 2026	1"=1/4 mile 1:15,840
OGS	1986	AIRBORNE ELECTROMAGNETIC AND TOTAL INTENSITY MAGNETIC SURVEY, PICKLE LAKE AREA, DISTRICT OF KENORA (PATRICIA PORTION) ONTARIO, BY GEOTERREX LTD., FOR THE OGS, GEOPHYSICAL/ GEOCHEMICAL SERIES MAPS 80894 and 80895	MAP 80894 MAP 80895	1:20,000
SAGE, R.P BREAKS, F.W	1982	GEOLOGY OF THE CAT LAKE- PICKLE LAKE AREA, DISTRICT OF KENORA AND THUNDER BAY OGS REPORT 207, 238p. ACCOMPANIED BY MAP 2218	REPORT 207 MAP 2218	1:253,440

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
SAGE, R.P. BREAKS, F.W.	1976	OPERATION PICKLE LAKE, DISTRICTS OF KENORA (PATRICIA PORTION) AND THUNDER BAY, ODM OPEN FILE REPORT 5180, 531p.	OFR 5180	
GSC	1963	GEOCHEMISTRY COPPER IN BEDROCK, LAKE ST JOSEPH SHEET, KENORA AND THUNDER BAY DISTRICT ONTARIO	MAP50-1963	1:253,440
ODM	1969	COPPER, NICKEL, LEAD AND ZINC DEPOSITS OF ONTARIO, MINERAL RESOURCE CIRCULAR NO. 12	MRC 12	p. 178
FERGUSON, S.A. GROEN, H.A. HAYNES, R.	1971	GOLD DEPOSITS OF ONTARIO, PART I, DISTRICTS OF ALGOMA, COCHRANE, KENORA, RAINY RIVER AND THUNDER BAY, ODM MINERAL RESOURCE CIRCULAR 13	MRC 13	p. 246
RILEY. R.A.	1969	RED LAKE DISTRICT-NEW INFORMATION, LANG LAKE AREA, ANNUAL REPORT OF THE RESIDENT GEOLOGIST SECTION, MP 23	MP 23	p. 6
FENWICK, K.G.	1969	LANG-CANNON LAKE AREA, DISTRICT OF KENORA (PATRICIA PORTION) IN SUMMARY OF FIELD WORK MP. 32	MP 32	p. 7-9
RILEY, R.A.	1970	RED LAKE DISTRICT, ANNUAL REPORT OF RESIDENT GEOLOGISTS SECTION, MP 33	MP33	p. 26
FENWICK, K.G.	1970	LANG-CANNON LAKES AREA, DISTRICT OF KENORA (PATRICIA PORTION) IN SUMMARY OF FIELD WORK, BY THE GEOLOGICAL BRANCH MP 43	MP43	p. 18-21
RILEY, R.A. KING, H.L. KUSTRA, C.R.	1971	MINERAL EXPLORATION TARGETS IN NORTHWESTERN ONTARIO, MP 47	MP47	p. 33,35

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
FENWICK, K.G. SRIVASTRAVA, P.	1971	LANG-CANNON LAKES AREA, DISTRICT OF KENORA (PATRICIA PORTION) IN SUMMARY OF FIELD WORK, BY THE GEOLOGICAL BRANCH, MP 49	MP 49	p. 22-24
SAGE, R.P. BREAKS, F.W. TROUP, W.R.	1972	OPERATION PICKLE LAKE, DISTRICT OF KENORA (PATRICIA PORTION) IN SUMMARY OF FIELD WORK, BY THE GEOLOGICAL BRANCH, ONTARIO DIVISION OF MINES MP 53	MP 53	p. 23-27
THURSTON, P.C.	1979	FELSIC CENTRES OF VOLCANISM, UCHI AND GODS LAKE SUBPROVINCES, IN SUMMARY OF FIELD WORK, BY THE OGS, EDITED BY V.G. MILNE et al, MP 90	MP 90	p. 19-25
FINDLAY, D.J. AYRES, L.D.	1977	LANG LAKE-AN EARLY PRECAMBRIAN PORPHYRY COPPER-MOLYBDENUM DEPOSIT IN NORTHWESTERN ONTARIO, GEOLOGICAL SURVEY OF CANADA, REPORT OF ACTIVITIES, PAPER 77-1B, OTTAWA	GSC PAPER 77-1B	p. 25-28
DUFFEL, S. MACLAREN, A.S. HOLMAN, R.H.C.	1963	RED LAKE-LANSDOWNE HOUSE AREA, NORTHWESTERN ONTARIO, BEDROCK GEOLOGY, GEOPHYSICAL AND GEOCHEMICAL INVESTIGATIONS	GSC MAP 2-1963 3-1963	1"=8 miles 1:506,880
ODM-GSC	1959	GITCHIE RIVER, ONTARIO SHEET 52O/11	GEOPHYSICS PAPER 904	1"=1 mile 1:63,360
EMSLIE, R.F.	1960	GEOLOGY OF RED LAKE-ST JOSEPH, KENORA AND THUNDER BAY, DISTRICT OF ONTARIO, GEOLOGICAL SURVEY OF CANADA	MAP 51-1960	1"=4 miles 1:253,440